



bout : > feedback : > login

US Patent & Trademark Office



Search Results

Nothing Found

Your search for the *Phrase* data <and> migration<AND>((galaxy <and> backup <and> recovery)) did not return any results.

Try the new Portal design

Give us your opinion after using it.

To search for *terms* separate them with **AND** or **OR**.

Click on the suggested options:

data AND <and> AND migration<AND>((galaxy AND <and> AND backup AND <and> AND recovery) AND)

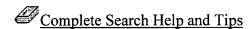
data OR OR migration((galaxy OR OR backup OR OR recovery) OR)

To search for names try using only the last or first name.

You can try to rerun it within the Portal.

You may revise it and try your search again below or click advanced search for more options.





The following characters have specialized meaning:

Special Characters	Description
,()[These characters end a text token.
i = > < 1	These characters end a text token because they signify the start of a field operator. (! is special: != ends a token.)
	These characters signify the start of a delimited token. These are terminated by the end character associated with the start character.

<u>> home</u> ∶ }

<u>pout</u> : ≥ feedback : ≥ login

US Patent & Trademark Office



Try the new Portal design Give us your opinion after using it.

Citation

International Conference on Management of Data and Symposium on Principles of Database Systems >archive

Proceedings of the 1994 ACM SIGMOD international conference on Management of data >toc 1994, Minneapolis, Minnesota, United States

ARIES/CSA: a method for database recovery in client-server architectures > Also published in ...

Authors

C. Mohan Inderpal Narang

Sponsors

SIGACT: ACM Special Interest Group on Algorithms and Computation Theory

SIGART: ACM Special Interest Group on Artificial Intelligence SIGMOD: ACM Special Interest Group on Management of Data

Publisher

ACM Press New York, NY, USA

Pages: 55 - 66 Series-Proceeding-Article

Year of Publication: 1994

ISSN:0163-5808

http://doi.acm.org/10.1145/191839.191849 (Use this link to Bookmark this page)

> full text > abstract > index terms > peer to peer

> Discuss

> Similar

> Review this Article

Save to Binder

> BibTex Format

↑ FULL TEXT: SAccess Rules

pdf 1.33 MB

↑ ABSTRACT

This paper presents an algorithm, called ARIES/CSA (Algorithm for Recovery and Isolation Exploiting Semantics for Client-Server Architectures), for performing recovery correctly in client-server (CS) architectures. In CS, the server manages the disk version of the database. The clients, after obtaining database pages from the server, cache them in their buffer pools. Clients perform their updates on the cached pages and produce log records. The log records are buffered locally in virtual storage and later sent to the single log at the server. ARIES/CSA supports a write-ahead logging (WAL), fine-granularity (e.g., record) locking, partial rollbacks and flexible buffer management policies like steal and no-force. It http://portal.acm.org/citation.cfm?id=1...al&dl=ACM&CFID=3472318&CFTOKEN=33008695 does not require that the clocks the clients and the server be synchronical. Checkpointing by the server and the clients allows for nexible and easier recovery.

↑ INDEX TERMS

Primary Classification:

H. Information Systems

→ H.2 DATABASE MANAGEMENT

← H.2.2 Physical Design

Subjects: Recovery and restart

Additional Classification:

H. Information Systems

→ H.2 DATABASE MANAGEMENT

→ H.2.4 Systems

Subjects: Transaction processing

→ H.2.7 Database Administration

Subjects: Logging and recovery

General Terms:

Algorithms, Design, Performance

- ↑ Peer to Peer Readers of this Article have also read:
- Evaluating topic-driven web crawlers

Proceedings of the 24th annual international ACM SIGIR conference on Research and development in information retrieval

Filippo Menczer, Gautam Pant, Padmini Srinivasan, Miguel E. Ruiz

- Partitioning-based standard-cell global placement with an exact objective Proceedings of the 1997 international symposium on Physical design Dennis J.-H. Huang, Andrew B. Kahng
- Information systems strategy and implementation: a case study of a building society ACM Transactions on Information Systems (TOIS) 12, 2 G. Walsham, T. Waema
- Algorithmic mechanism design (extended abstract) Proceedings of the thirty-first annual ACM symposium on Theory of computing Noam Nisan, Amir Ronen
- We Talk to Everybody Linux Journal 2000, 74es Mariorie Richardson, Jason Schumaker, David Penn
- ↑ This Article has also been published in:
- ACM SIGMOD Record Volume 23, Issue 2 (June 1994)

http://portal.acm.org/citation.cfm?id=1...al
The ACM Portal is published bene Association for Computing Machin Copyright © 2003 ACM, Inc.

<u>> home</u> ∶ i

bout > feedback > login

US Patent & Trademark Office



Try the *new* Portal design Give us your opinion after using it.

Citation

ACM SIGSOFT Software Engineering Notes >archive Volume 26, Issue 2 (March 2001) >toc

THE LOCAL CHOIC COOL CAR

COLUMN: Columns >toc

Risks to the public in computers and related systems

Author

Peter G. Neumann SRI International EL-243, Menlo Park CA

Publisher

ACM Press New York, NY, USA

Pages: 5 - 11 Periodical-Issue-Section-Article

Year of Publication: 2001

ISSN:0163-5948

http://doi.acm.org/10.1145/505776.505778 (Use this link to Bookmark this page)

> full text > peer to peer

> Discuss

> Similar

> Review this Article

Save to Binder

> BibTex Format

↑ FULL TEXT: SAccess Rules

🔁 pdf 833 KB

- ↑ Peer to Peer Readers of this Article have also read:
- Data structures for quadtree approximation and compression Communications of the ACM 28, 9 Hanan Samet
- The state of the art in automating usability evaluation of user interfaces ACM Computing Surveys (CSUR) 33, 4
- A lifecycle process for the effective reuse of commercial off-the-shelf (COTS) software Proceedings of the 1999 symposium on Software reusability Christine L. Braun
- A catalog of techniques for resolving packaging mismatch Proceedings of the 1999 symposium on Software reusability Robert DeLine

 Using adapters to reduce interaction complexity in reusable component-based software development

Proceedings of the 1999 symposium on Software reusability David Rine, Nader Nada, Khaled Jaber

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2003 ACM, Inc.